

# OI Meeting Schedule (as of 6/8/05)

<b>Monday, June 13, 2005</b>	
2:00-7:00 PM	<b>Registration, Concourse Lobby</b>
5:00 PM, 5:45 PM and 6:45 PM	Bus Transportation from Sheraton Barcelo to Phillips Restaurant Departures from the Hotel at 5:00 PM, 5:45 PM and 6:45 PM
<b>7:00 PM - 9:00 PM</b>	<b>Crab Feast at Phillips Seafood Restaurant, Annapolis Waterfront</b> Joint Social Event of the Scientific and Leadership Conferences
9:00 PM, 9:30 PM and 10:30 PM	Bus Transportation from Phillips Restaurant to Sheraton Barcelo Departures from Phillips Restaurant at 9:00 PM, 9:30 PM and 10:30 PM

<b>Tuesday, June 14, 2005</b>		
7:00 AM - 8:00 AM	<b>Continental Breakfast, Wye Concourse</b>	
8:00 AM - 12:00 PM	<b>Registration, Concourse Lobby</b>	
9:00 AM -1:00 PM	<b>Poster Set-Up, Severn Room</b> Posters will remain up for viewing through 4:00 PM on Wednesday June 15. All posters are to be removed by the end of the day on June 15. Posters can be retrieved on June 16 at the Conference Information Desk.	
8:00 AM - 3:00 PM	<b>Conference Oral Presentations, Wye Room</b>	
8:00 AM	<b>Welcome - Marini &amp; Raggio</b>	
<b>Genetics - Genotype-Phenotype</b>		<b>Chair - DePaepe</b>
8:15 AM	Byers	Splice Site Mutations in Type I Collagen Genes and Their Outcomes
8:40 AM	Barnes	Effects of C-Propeptide Mutations in Type I Collagen on Extracellular Matrix Deposition and Fibrillogenesis
8:55 AM	Marini	OI Mutation Consortium: Lethal Regions Align with Binding Sites in Collagen Monomer and Fibril
9:20 AM	Brodsky	Model Peptides: Defining the Alteration in the Folding Pathway of OI Collagens
9:45 AM	Persikov	Investigation of the Relationship Between Triple-Helix Destabilization by Gly to Ser Substitutions and Clinical Severity in Osteogenesis Imperfecta
10:00 AM	Di Lullo	Unraveling the Mysteries of Type I Collagen Structure-Function Relationships: Brittle Bones Break the Silence
10:15 AM	Reigle	Probing the Proteoglycan-Binding Function of the Lethal OI Mutation-Rich Regions in the alpha2(I) Chain of type I Collagen
10:30 AM - 11:00 AM	<b>Break</b>	
<b>Biophysical Insights</b>		<b>Chair - Byers</b>
11:00 AM	Leikin	Domain Organization of Collagen Triple Helix and Its Role in OI
11:25 AM	Plotkinov	Morphological Comparison of Normal and OI Collagen Fibers Visualized by Second Harmonic Generation Imaging Microscopy
11:40 AM	Canuto	Characterization of Skin Abnormalities Associated with Osteogenesis Imperfecta Via High-Resolution Magnetic Resonance Imaging
12:00 PM - 1:00 PM	<b>Lunch, Garden Room</b> (Int. OI Conference Committee meets during lunch)	

## OI Meeting Schedule (as of 6/8/05)

<b>Bone and Cell Biology</b>		<b>Chair - Steinmann</b>
1:00 PM	Rauch	Bone and Cell Biology in Osteogenesis Imperfecta: The Bone Tissue Level
1:25 PM	Ashok	Chaperone-Procollagen Interactions Differ with Mutation Location in Osteogenesis Imperfecta
1:40 PM	Osdoby	Bone Cell Interactions in Osteoclast Recruitment, Development, and Survival
2:10 PM	Zhang	Increased Osteoclast Activity in oim Mouse Osteoblast/Osteoclast <i>In Vitro</i> Co-Culture System
2:25 PM	Boskey	The Abnormal Mineral in Osteogenesis Imperfecta: How Collagen and Noncollagenous Proteins Affect Mineral Properties
2:50 PM	Forlino	Use of Microarray and Proteomics to Study the Phenotypic Variability in BRTLIV Mice
3:00 PM - 5:00 PM	<b>Poster Session, Severn Room</b> (Includes a brief report from the Leadership Conference)	

<b>Wednesday, June 15, 2005</b>		
7:30 AM - 8:30 AM	<b>Continental Breakfast, Wye Concourse</b>	
8:30 AM - 6:00 PM	<b>Conference Oral Presentations, Wye Room</b>	
9:00 AM - 4:00 PM	<b>Posters Available for Viewing, Severn Room</b>	
<b>Insights from Murine Models</b>		<b>Chair - Prockop</b>
8:30 AM	Forlino	Maturation or Homozygosity Modulates OI Phenotype In Brtl Mouse
8:55 AM	McBride	Col1a2 G610C Mice: A Knock-In Mouse Model Based on a Large Human OI Kindred With Phenotype Variation
9:20 AM	Kalajzic	Testing Therapeutic Approaches for Osteogenesis Imperfecta Using col1a1 Transgenic Mice
9:45 AM	Aubin	A Deletion in SMPD3 Causes Osteogenesis Imperfecta in the Mouse
10:00 AM	Demetrakopoulos	Effects of Soluble muRANK on Fracture Healing in the oim Mouse Model
10:15 AM	Morello	CRTAP is Required for Prolyl 3-Hydroxylation of Fibrillar Collagens and Loss of its Function Causes Severe Kyphoscoliosis and Osteoporosis in Mice
10:30 AM - 11:00 AM	<b>Break</b>	
<b>Orthopedics</b>		<b>Chair - Raggio</b>
11:00 AM	Raggio	Orthopaedist + OI: Advances or New Problems
11:25 AM	Fassier	Experience with the Fassier-Duval Rod: Effectiveness and Complications
11:50 AM	Prujijis	The Influence Of Bisphosphonates On Orthopedic Management In Osteogenesis Imperfecta
12:15 PM	Marc d'argent-Fassier	Radial Head Dislocation in Osteogenesis Imperfecta
12:30 PM	<b>Group Photo</b> (Location TBA)	
12:30 PM - 2:30 PM	<b>Lunch, Garden Room</b> (Orthopedics Case Conference during lunch)	

## OI Meeting Schedule (as of 6/8/05)

<b>Bisphosphonates</b>		<b>Chair - Bishop</b>
2:30 PM	Glorieux	Bisphosphonate Therapy in OI: Update on Efficacy and Safety
2:55 PM	Whyte	Bisphosphonate Treatment for Children: Assessing for Toxicity
3:20 PM	Letocha	Controlled Trial of Pamidronate in Children with Type III and IV Osteogenesis Imperfecta Confirms Vertebral Gains but Not Short-term Functional Improvement
3:35 PM	Goldstein	Biomechanical Characterization of the OI Phenotype: Evaluation Of Brl IV and the Effect of Bisphosphonate Therapy
4:00 PM	Uveges	Alendronate Increases Bone Strength and Bone Volume But Fails to Improve Brittleness or Mineralization in BRTL Mouse Model for Type IV Osteogenesis Imperfecta
4:15 PM	Chevrel	Effects of Oral Alendronate on Bone Mineral Density in Adult Patients with Osteogenesis Imperfecta
4:30 PM	Shapiro	Results of Bisphosphonate Treatment in Adult Osteogenesis Imperfecta
4:45 PM	Malmgren	Effect of Bisphosphonate Therapy on Tooth Eruption in Children and Adolescents with Osteogenesis Imperfecta
5:00 PM	Astrom	Intravenous Pamidronate Treatment to Infants with Severe Form of Osteogenesis Imperfecta
5:15 PM - 6:00 PM	<b>Panel Discussion</b>	

### Thursday, June 16, 2005

7:00 AM - 8:00 AM	<b>Continental Breakfast, Wye Concourse</b>	
8:00 AM - 12:15 PM	<b>Conference Oral Presentations, Wye Room</b>	
<b>Medical Management</b>		<b>Chair - Shapiro</b>
8:00 AM	Engelbert	Osteogenesis Imperfecta in Childhood: Habilitation Strategies Regarding Family, Function and Fitness
8:25 AM	Gerber	Technology In The Clinic: Understanding Function In Children With Osteogenesis Imperfecta
8:50 AM	Kuurila-Svahn	Hearing Loss in OI - A Population Study in Finland
9:15 AM	Miyamoto	Cochlear Implantation in Osteogenesis Imperfecta
9:40 AM	Kovero	Skull Base Abnormalities in Osteogenesis Imperfecta - Cephalometric Evaluation of 54 Adult Patients and 108 Adult Controls
9:55 AM	Flor-Cisneros	Pulmonary Function Abnormalities in Children with Osteogenesis Imperfecta Correlate with OI Type and Location of Collagen Mutation
10:05 AM - 10:30 AM	<b>Break</b>	
<b>Prospects for Gene and Cell Therapy</b>		<b>Chair - Marini</b>
10:30 AM	Chamberlain	Targeted Disruption Of The Type I Collagen Genes In Mesenchymal Stem Cells Restores Properties Of Normal Collagen
10:55 AM	Davidson	RNA Interference for Neurogenetic Disease Therapy
11:20 AM	Wenstrup	Endogenously Expressed Multimeric Self-Cleaving Hammerhead Ribozymes Ablate Mutant Collagen
11:45 AM	Niyibizi	Bone Marrow Derived Osteoprogenitors Transplanted into Neonatal Osteogenesis Imperfecta Mice (oim) Contribute to the Bone Formation <i>In Vivo</i>
12:00 PM - 12:15 PM	<b>Summation</b>	